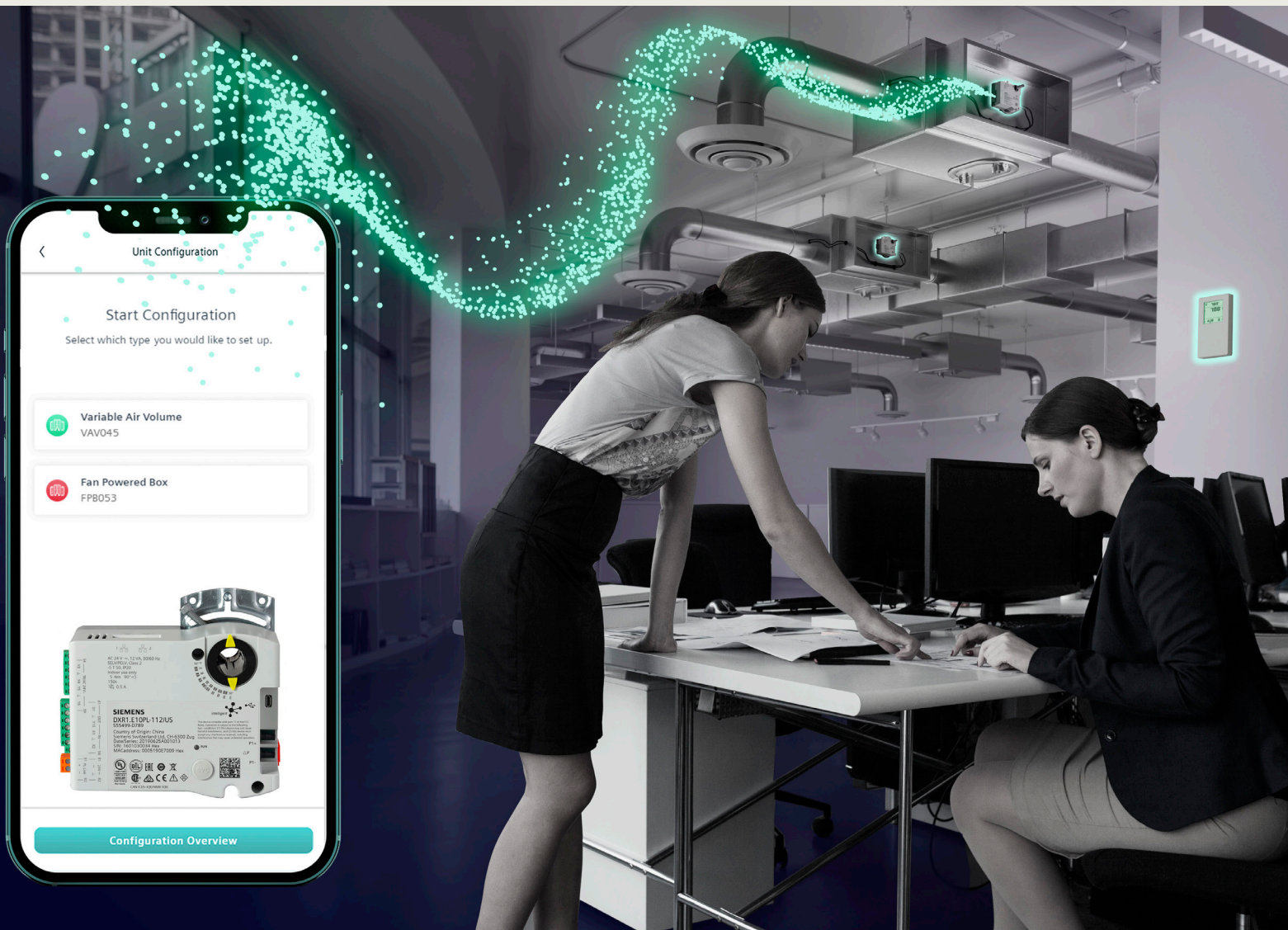


VAV MADE EASY

Variable Air Volume Solutions

Increase productivity with an expanded Variable Air Volume (VAV) actuator solution from stand-alone damper actuators to integrated devices for a variety of applications.

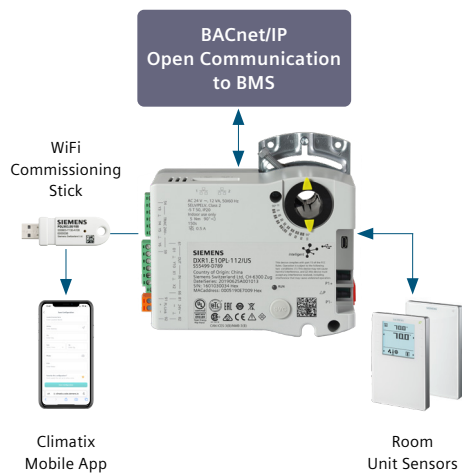
usa.siemens.com/vav-solutions



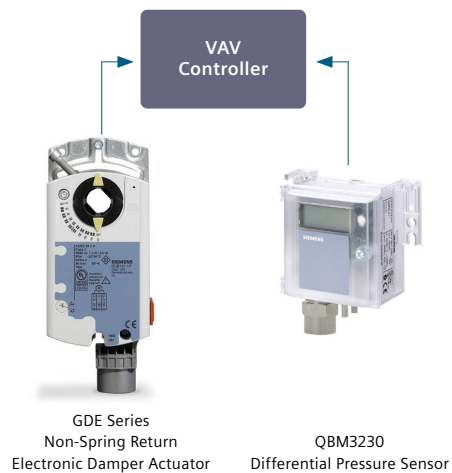
VAV made easy with expanded offerings and opportunities

Siemens OpenAir™ VAV Solutions feature an expanded actuator portfolio with configuration choices to increase productivity. Engineered with our globally recognized damper actuators, Siemens VAV offering delivers optimal comfort within different room environments.

- **OpenAir Intelligent VAV Actuator** – integrated 3:1 device with actuator + differential pressure sensor + VAV logic
- **OpenAir VAV Non-Spring Return Damper Actuator** – actuator only



Intelligent VAV Actuator



VAV Non-Spring Return Damper Actuator

OpenAir Intelligent Variable Air Volume Actuator

Integrated actuator + differential pressure sensor + VAV logic

VAV commissioning made easy

This simple plug and play solution is easy to commission and delivers reliable air volume control in any system. This solution was designed to address labor shortages, unskilled technicians, ongoing dependencies, and complex building automation systems which have contributed to time-consuming VAV installations.

Benefits

Commissioning made easy with the Climatix mobile app

- Intuitive commissioning that allows any technician – no matter how experienced – to take full ownership of the job.
- Pre-configured with the most popular selections, with the ability to change defaults for specific applications.
- Commissioning can be completed anytime, anywhere.
- Save your configuration and job details as a favorite for:
 - Consistency across VAV boxes
 - Speed of commissioning on other VAV boxes
 - Ability to share configuration via text or email
- Make real-time changes via the operation menu to view room data at-a-glance.
- Balancers only menu to view parameters, balance the VAV box and save configurations.
- No annual fee and available for free download in Apple and Google Play stores.

Integrated 3:1 design that works in any system

- Integrated design eliminates wiring multiple actuator components into one VAV box for simplicity.
- BACnet/IP open communication and integration with most platforms.
- Pair with a Siemens room unit sensor (QMX3 series) to help optimize air quality.

Intelligent VAV Actuator Features

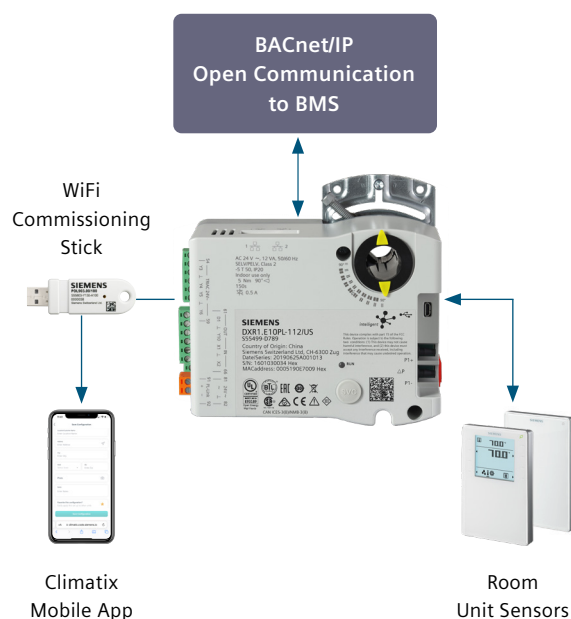
- Commissioned via Climatix mobile app
- Maintenance-free differential pressure sensor
- 88 lb-in torque rating
- BACnet IP open communication
- BTL Certified

- UL Certified
- 2-year warranty
- 100% factory tested
- Plenum rated
- Lifecycle testing of up to 100K full strokes and up to 5M repositions for higher reliability

Applications

Ideal for simple applications within offices, schools and medical facilities for new or retrofit applications.

- VAV and Fan Powered Box
- Reheat – electric and hot water



Model #	Description
DXR1-E10PL-112/US	OpenAir Intelligent VAV actuator
DXR1-E10PL-113/US	OpenAir Intelligent VAV actuator – fan powered box
S55803-Y130-A100	Siemens WiFi commissioning stick
S55803-Y199-A100	Mini to standard USB adapter
QMX3.P74, P70, P34, P30	Room unit sensors
QAM2030.010	Duct Point Sensor / Thermistor
171A10300-A2AAABA	2-way Piping Package Assembly



Room Unit Sensors



Room Unit Sensors

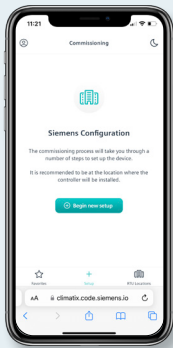
- QMX3.P74 – Temperature, humidity and IAQ with display and Green Leaf function
- QMX3.P70 – Temperature, humidity and IAQ without display
- QMX3.P34 – Temperature with display and Green Leaf function
- QMX3.P30 – Temperature without display

Get started with five easy steps

1. Download the Climatix mobile app
2. Begin new setup
3. Plug WiFi commissioning stick into the device
4. Configure new setup with pre-configured selections or choose from favorites
5. Add job information and save configuration as a favorite



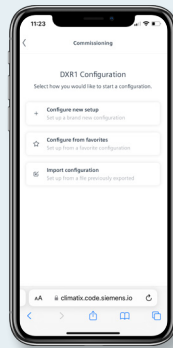
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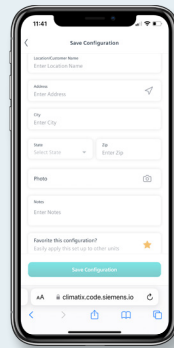
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3



4



5

Download
Climatix
mobile app



OpenAir VAV Non-Spring Return Damper Actuator

Actuator only

Rely on proven performance

Benefits

- A stand-alone product designed for easy integration with a differential pressure sensor and VAV controller.
- The GDE and GLB series feature a single-set screw to lock the actuator down to the shaft, which results in a single-point centered connection on lower torque actuators.
- Durable and energy efficient, these actuators enable easy installation and reliable operation leading to fewer callbacks saving time and money.

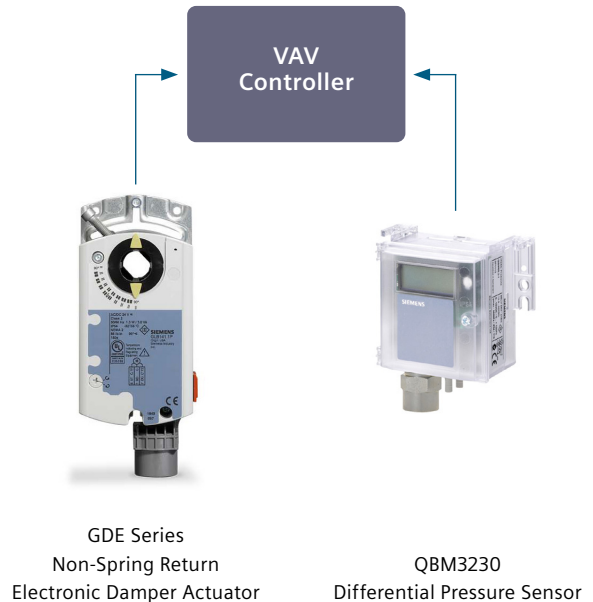
Features

- 44 lb-in and 88 lb-in torque rating
- Optional built-in features with dual-adjustable auxiliary switches or start/span capability
- Wide range of temperature operation from -25° F to 130° F
- BTL Certified
- UL Certified
- 5-year warranty
- 100% factory tested
- Lifecycle testing of up to 100K full strokes and up to 5M repositions for higher reliability
- Appliance and plenum cable option

Applications

Ideal for new or retrofit applications in low- to high-complexity buildings

- VAV and fan powered box
- Bypass dampers
- Zone isolation dampers



Product configurations

OpenAir Intelligent VAV Actuator



Actuator + differential pressure sensor + VAV logic

OpenAir VAV Non-Spring Return



Actuator only

Benefits	Features		
Commissioning	Tools	Climatix Mobile App	—
	Pre-configured selections, easy for any skill level to learn	✓	—
	Copy or mass configure from favorites	✓	—
Device Components	Built-in differential pressure sensor	✓	—
	Siemens actuator torque	88 lb-in	44 lb-in 88 lb-in
	Compatible with Siemens QMX3 room unit sensor*	✓	—
	Actuator square footage	GDE 11ft ² , GLB 22ft ²	GDE 11ft ² , GLB 22ft ²
Communication	Open communication protocol	BACnet/IP	—
	Open communication to third-party controller and one thermostat	—	—
VAV Configurations	Complete VAV Solution	✓	Stand-alone actuator
Warranty	Backed by Siemens warranty	2-year	5-year

* Room Unit Sensors:

- QMX3.P74 – Temperature, humidity and IAQ with display
- QMX3.P70 – Temperature, humidity and IAQ without display
- QMX3.P34 – Temperature with display
- QMX3.P30 – Temperature without display

Faster and easier selection using HIT

HIT (HVAC Integrated Tool) is an intuitive online selection tool with enhanced filters and calculators that make it faster and easier to select the correct damper actuator for your projects. HIT is continuously updated with the latest products and pricing for accurate planning and budgeting.

Selection – Filters and calculators help you properly size and select the right products for your application.

Replacement – The replacement guide helps you quickly find current Siemens products for other brands and discontinued parts.

Projects – Quickly create project schedules and gather submittal documents for faster bidding to help you win more business.

Ordering – Built-in shopping cart connects to Siemens iMall for faster ordering.



Get started

usa.siemens.com/hit

VAV made easy

The [OpenAir™ Intelligent Variable Air Volume \(VAV\) actuator](#) is a simple plug-and-play solution that is easy to commission and delivers reliable air volume control. The actuator incorporates a pressure sensor and VAV logic all into one device. The Climatix mobile app transforms the commissioning process, making it so intuitive that any level technician can take full ownership of the job. With BACnet open communication, the Intelligent VAV is compatible with almost any open platform.

For stand-alone applications, rely on the industry-leading performance of [OpenAir VAV non-spring return damper actuators](#).

This expanded VAV actuator solution is engineered with our globally recognized damper actuators and offers configuration choices to increase productivity.

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